

AMENDMENTS TO THE CLAIMS

- 1 1. (Original) A method of evolving an Extensible Markup Language (XML) Schema,
2 the method comprising:
3 receiving, at a schema evolver that is executing in a computer system, a document
4 that indicates one or more changes to be made to a first XML schema;
5 based on said first XML schema and said document, said schema evolver generating a
6 second XML schema; and
7 based on said second XML schema, generating one or more first Structured Query
8 Language (SQL) statements.
- 1 2. (Original) The method of Claim 1, wherein said first SQL statements, when
2 executed, cause one or more database object types to be created.
- 1 3. (Original) The method of Claim 1, wherein said first SQL statements, when
2 executed, cause one or more database object tables to be created.
- 1 4. (Original) The method of Claim 1, wherein said first SQL statements, when
2 executed, cause one or more database object types to be deleted.
- 1 5. (Original) The method of Claim 1, wherein said first SQL statements, when
2 executed, cause one or more database object tables to be deleted.
- 1 6. (Original) The method of Claim 1, wherein said first SQL statements, when
2 executed, cause one or more database object types to be altered.

1 7. (Original) The method of Claim 1, wherein said first SQL statements, when
2 executed, cause one or more database object tables to be altered.

1 8. (Original) The method of Claim 1, wherein said first SQL statements, when
2 executed, cause one or more database object instances to be altered.

1 9. (Original) The method of Claim 1, wherein said one or more changes are expressed
2 as one or more instances of one or more XML types specified by a third XML
3 schema.

1 10. (Original) The method of Claim 1, further comprising:
2 generating one or more second SQL statements that, when executed, cause effects of
3 said one or more first SQL statements to be reversed.

1 11. (Original) The method of Claim 10, further comprising:
2 determining, while executing said one or more first SQL statements, whether an error
3 has occurred; and
4 in response to determining that an error has occurred, executing one or more of said
5 one or more second SQL statements that, when executed, cause effects of said
6 one or more first SQL statements that have been executed to be reversed.

1 12. (Currently Amended) A method of generating Structured Query Language (SQL)
2 statements to alter database types in a database system that has definition data that
3 defines a set of one or more database object types, the method comprising:
4 receiving a first Extensible Markup Language (XML) schema; and

5 based on said first XML schema, generating one or more SQL statements that, when
6 executed, cause a database server to alter said set of one or more database
7 object types;

8 wherein said one or more database object types were generated based on a second
9 XML schema that differs from said first XML schema.

1 13. (Canceled)

1 14. (Currently Amended) The method of Claim [[13]]12, wherein said first XML schema
2 was generated based on said second XML schema.

1 15. (Original) The method of Claim 12, wherein said one or more SQL statements, when
2 executed, cause said database server to create one or more of said one or more
3 database object types.

1 16. (Original) The method of Claim 12, wherein said one or more SQL statements, when
2 executed, cause said database server to delete one or more of said one or more
3 database object types.

1 17. (Canceled)

1 18. (Original) A computer-readable medium carrying one or more sequences of
2 instructions which, when executed by one or more processors, causes the one or more
3 processors to perform the method recited in Claim 1.

1 19. (Original) A computer-readable medium carrying one or more sequences of
2 instructions which, when executed by one or more processors, causes the one or more
3 processors to perform the method recited in Claim 2.

1 20. (Original) A computer-readable medium carrying one or more sequences of
2 instructions which, when executed by one or more processors, causes the one or more
3 processors to perform the method recited in Claim 3.

1 21. (Original) A computer-readable medium carrying one or more sequences of
2 instructions which, when executed by one or more processors, causes the one or more
3 processors to perform the method recited in Claim 4.

1 22. (Original) A computer-readable medium carrying one or more sequences of
2 instructions which, when executed by one or more processors, causes the one or more
3 processors to perform the method recited in Claim 5.

1 23. (Original) A computer-readable medium carrying one or more sequences of
2 instructions which, when executed by one or more processors, causes the one or more
3 processors to perform the method recited in Claim 6.

1 24. (Original) A computer-readable medium carrying one or more sequences of
2 instructions which, when executed by one or more processors, causes the one or more
3 processors to perform the method recited in Claim 7.

1 25. (Original) A computer-readable medium carrying one or more sequences of
2 instructions which, when executed by one or more processors, causes the one or more
3 processors to perform the method recited in Claim 8.

1 26. (Original) A computer-readable medium carrying one or more sequences of
2 instructions which, when executed by one or more processors, causes the one or more
3 processors to perform the method recited in Claim 9.

1 27. (Original) A computer-readable medium carrying one or more sequences of
2 instructions which, when executed by one or more processors, causes the one or more
3 processors to perform the method recited in Claim 10.

1 28. (Original) A computer-readable medium carrying one or more sequences of
2 instructions which, when executed by one or more processors, causes the one or more
3 processors to perform the method recited in Claim 11.

1 29. (Original) A computer-readable medium carrying one or more sequences of
2 instructions which, when executed by one or more processors, causes the one or more
3 processors to perform the method recited in Claim 12.

1 30. (Canceled)

1 31. (Original) A computer-readable medium carrying one or more sequences of
2 instructions which, when executed by one or more processors, causes the one or more
3 processors to perform the method recited in Claim 14.

1 32. (Original) A computer-readable medium carrying one or more sequences of
2 instructions which, when executed by one or more processors, causes the one or more
3 processors to perform the method recited in Claim 15.

1 33. (Original) A computer-readable medium carrying one or more sequences of
2 instructions which, when executed by one or more processors, causes the one or more
3 processors to perform the method recited in Claim 16.

1 34. (Canceled)